IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 5-9 and 12 have been amended and claims 13-14 have been added as follows:

Listing of Claims:

Claim 1 (original): A 2-oxabicyclo[3.3.0] octane compound of the following formula (1),

$$R^{2}$$
 R^{1}
 R^{2}
 R^{1}
 R^{2}
 R^{10}
 R^{10}
 R^{9}
 R^{10}
 R^{10}
 R^{10}
 R^{10}

wherein R¹-R¹⁰ individually represent a hydrogen atom or a substituted or unsubstituted alkyl group having 1-20 carbon atoms, R¹¹ represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted cycloalkenyl group, a substituted or unsubstituted aryl group, formyl

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group, a substituted or unsubstituted acyl group, a substituted or unsubstituted alkoxycarbonyl group, a substituted or unsubstituted aryloxycarbonyl group, or a substituted or unsubstituted alkenyl group, and R¹² represents a substituted or unsubstituted hydrocarbon group, provided that when R¹¹ is a substituted or unsubstituted alkenyl group, R¹² is a chiral group.

Claim 2 (original): The compound according to claim 1, wherein R¹² is a substituted or unsubstituted chiralic secondary hydrocarbon group.

Claim 3 (original): The compound according to claim 1, wherein R¹² is a chiralic secondary hydrocarbon group having a crosslinked structure or a chiralic secondary alkyl group substituted with an alkoxycarbonyl group.

Claim 4 (original): An optical-resolution agent comprising at least one 2-oxabicyclo[3.3.0]octane compound of the following formula (1),

$$R^{2}$$
 R^{1}
 R^{2}
 R^{1}
 R^{10}
 R^{10}

wherein R¹-R¹⁰ individually represent a hydrogen atom or a substituted or unsubstituted alkyl group having 1-20 carbon atoms, R¹¹ represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted aryl group, formyl group, a substituted or unsubstituted acyl group, a substituted or unsubstituted alkoxycarbonyl group, a substituted or unsubstituted alkoxycarbonyl group, a substituted or unsubstituted alkenyloxycarbonyl group, a substituted or unsubstituted aryloxycarbonyl group, or a substituted or unsubstituted alkenyl group, and R¹² represents a substituted or unsubstituted hydrocarbon group, provided that when R¹¹ is a substituted or unsubstituted alkenyl group, R¹² is a chiral group.

Claim 5 (currently amended): A process for producing a 2-oxabicyclo[3.3.0]octane compound represented by the above formula (1) according to claim 1 comprising reacting a cyclopentanone compound of the formula (2),

$$R^{1}$$
 R^{2}
 R^{3}
 R^{4}
 R^{5}
 R^{6}
 R^{6}
 R^{10}

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wherein the R^1 - R^{11} groups are the same as in the formula (1) and A is a hydrogen atom or a protective group for a hydroxyl group, with an optically active alcohol of the formula R^{12} OH, wherein R^{12} is the same as in the formula (1), in the presence of an acid catalyst.

Claim 6 (currently amended): A process for producing a 2-oxabicyclo[3.3.0]octane compound represented by the above formula (1) according to claim 1 comprising reacting a 2-oxabicyclo[3.3.0]octane compound of the formula (3),

$$R^{3}$$
 R^{4}
 R^{5}
 R^{6}
 R^{11}
 R^{7}
 R^{8}
 R^{9}
 R^{9}
 R^{10}

wherein the R^1 - R^{11} groups are the same as in the formula (1) and R^{13} is a substituted or unsubstituted hydrocarbon group, with an alcohol of the formula R^{12} OH, wherein R^{12} is as defined above, in the presence of an acid catalyst.

Claim 7 (currently amended): A method for separating a diastereomer mixture of 2-oxabicyclo [3.3.0] octane compound of the above formula (1) according to claim 1 comprising processing the diastereomer mixture of 2-oxabicyclo [3.3.0] octane compound of the [[above]] formula (1) using a simulated moving bed chromatography to separate into individual diastereomers.

Claim 8 (currently amended): A method for separating a diastereomer mixture of 2-oxabicyclo [3.3.0]octane compound of the above formula (1) according to claim 1 comprising distilling the diastereomer mixture of 2-oxabicyclo [3.3.0]octane compound of the above formula (1) to separate into individual diastereomers.

Claim 9 (currently amended): A method for optically resolving alcohol of the formula R¹⁴OH, wherein R¹⁴ represents a substituted or unsubstituted hydrocarbon group having an asymmetric carbon atom, comprising,

a step of separating a diastereomer mixture of 2-oxabicyclo [3.3.0]octane compound of the above formula (1) described in any one of claims 1-3 according to claim 1 into individual diastereomers,

a step of reacting the separated diastereomers with an alcohol of the formula R¹³OH, wherein R¹³ is a substituted or unsubstituted hydrocarbon group, in the presence of an acid catalyst to obtain a 2-oxabicyclo[3.3.0]octane compound of the formula (3),

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$$R^{3}$$
 R^{4}
 R^{5}
 R^{6}
 R^{11}
 R^{7}
 R^{8}
 R^{9}
 R^{9}
 R^{10}

wherein R¹-R¹¹ are the same as in the formula (1) and R¹³ is as defined above,

a step of reacting the compound of the formula (3) with an optical isomer mixture of alcohol of the formula $R^{14}OH$, wherein R^{14} is as defined above, in the presence of an acid catalyst to obtain a diastereomer mixture of the formula (4),

$$R^{3}$$
 R^{4}
 R^{5}
 R^{6}
 R^{11}
 R^{7}
 R^{8}
 R^{9}
 R^{9}
 R^{10}

wherein R¹-R¹¹ and R¹⁴ are the same as defined above,

a step of separating the resulting diastereomer mixture into individual diastereomers, and a step of reacting the separated diastereomers with an alcohol of the formula R¹⁵OH, wherein R¹⁵ represents a substituted or unsubstituted hydrocarbon group, in the presence of an acid catalyst to obtain an optically active alcohol of the formula R¹⁴OH, wherein R¹⁴ is as defined above.

Claim 10 (original): The method according to claim 9, wherein the step of separating the diastereomer mixture of the compound of the above formula (4) into individual diastereomers comprises processing the diastereomer mixture using simulated moving bed chromatography to separate into individual diastereomers.

Claim 11 (original): The method according to claim 9, wherein the step of separating the diastereomer mixture of the compound of the above formula (4) into individual diastereomers comprises distilling the diastereomer mixture to separate into individual diastereomers.

Claim 12 (currently amended): The method according to any one of claims 9-11 claim 11, wherein the optical active alcohol of the formula R¹⁴OH, wherein R¹⁴ is as defined above, and the compound of the above formula (3) are isolated by reacting the separated diastereomer of the compound of the formula (4) with an alcohol of the formula R¹³OH, wherein R¹³ is as defined above, in the presence of an acid catalyst, and the isolated compound of the formula (3) is reused as an optical resolution agent of alcohol.

Claim 13 (new): The method according to claim 9, wherein the optical active alcohol of the formula R¹⁴OH, wherein R¹⁴ is as defined above, and the compound of the above formula (3) are isolated by reacting the separated diastereomer of the compound of the formula (4) with an alcohol of the formula R¹³OH, wherein R¹³ is as defined above, in the presence of an acid catalyst, and the isolated compound of the formula (3) is reused as an optical resolution agent of alcohol.

Claim 14 (new): The method according to claim 10, wherein the optical active alcohol of the formula R¹⁴OH, wherein R¹⁴ is as defined above, and the compound of the above formula (3) are isolated by reacting the separated diastereomer of the compound of the formula (4) with an alcohol of the formula R¹³OH, wherein R¹³ is as defined above, in the presence of an acid catalyst, and the isolated compound of the formula (3) is reused as an optical resolution agent of alcohol.